

PLAKA - COLMATEC**Injection hose systems**

REF 05.06.01 - Version V03 – 18/03/2021

**Description**

Colmatec is a highly flexible, robust, resin injectable hose for waterproof construction cold joints.

The COLMATEC product range consists of injection hoses, injection hose ends, fasteners and injection products.

Application

COLMATEC injection hose systems are the preferred sealing method for horizontal and vertical construction joints. They can be used for:

- construction joints in storage tanks to prevent infiltration or leakage
- construction joints between slabs and concrete walls in order to waterproof the connection
- construction joints in the concrete walls of elevator shafts in order to prevent water infiltration

Properties

The injection hose is circular with an external diameter of 12 mm diameter hose with an internal diameter 6 mm. The flexible PVC-hose is perforated and pressure resistant so that it allows a concrete construction height of 20 m.

An injection hose end is mounted on each end of the injection hose.

The following fasteners can be used to mount the injection hose:

- PVC fasteners
- Metal fasteners

Injection materials:

- 'PUR PROTECT' – a polyurethane resin with permanent elasticity

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



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| Product properties | |
|-----------------------------|--|
| Cross section | Circular |
| Color/material | PVC core in yellow |
| Outer diameter COLMATEC | 12 mm |
| Inner diameter COLMATEC | 6 mm |
| Connection elements | High quality PVC (black) |
| Perforations | Oriented with a 90-degree angle to the direction of the injection tube |
| Wrapping | Openingen op de omtrek van de buis |
| Cleaning | Emptying by injecting pressurized air into the tube |
| Injection resinous products | |
| PUR PROTECT | To be used for only injection |

Dimensions

| Dimensions | | | | |
|--|---|---|--------|-------------|
| <i>COLMATEC injection hose with stay in place connection end</i> | | | | |
| Code | Figure | Description | pc/Box | Weight |
| MCCOLG |  | Injection hose | 1 m | 0,11 kg/m |
| MCCOL1 |  | Shutter connector | 1 | 2,50 kg/100 |
| MCCOLS |  | Schnappi tie | 100 | 0,30 kg/100 |
| FRCOLCAV |  | Metal clip | 1 | 0,36 kg/100 |
| <i>COLMATEC injection hose with protruding PVC hose</i> | | | | |
| Code | Figure | Description | pc/Box | Weight |
| MCCOLG |  | Injection hose | 1 m | 0,11 kg/m |
| MCCOLT |  | Breather tube | 1 m | 0,10 kg/m |
| MCCOLVER |  | Steel connector | 1 | 0,40 kg/100 |
| MCCOL2 |  | Hose end connector | 1 | 1,90 kg/100 |
| <i>COLMATEC Injectionmaterial</i> | | | | |
| Code | Figure | Description | pc/Box | Weight |
| MCCOLV |  | Conical-head nipple without non-return valve, used only for flushing under pressure (M10) | 1 | 0,46 kg/100 |

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| | | | | |
|---------|---|--|------|-------------|
| MCCOLAD |  | Adapter | 1 | 3,00 kg/100 |
| MCCOLF |  | high-pressure armored hose 500 mm long | 1 | 9,00 kg/100 |
| MCCOLPR |  | Hand pump 400 bar | 1 | 1,00 kg/1 |
| MCCOLR |  | PUR PROTECT | 1 kg | 1 kg |
| MCCOLA |  | PROTECT Clean | 1 kg | 1 kg |

Advice for the choice of injection resin:

- For wet joint, only use PUR resin
- PUR- and EP-resins can be used for dry joints
- We recommend PUR PROTECT resin with permanent elasticity
- Use only resins with low viscosity

Standards/Approvals (test report upon request)

| Test reference | Description |
|---------------------|---|
| P-SAC 02/5.1/15-351 | General Supervisory Test Certificate (AbP) MPFA Leipzig |